

PCM PERSONAL AIR SAMPLING  
ANALYTICAL RESULTS JAN 9 - JULY 27, 1997



927135



**Ecology & Environment, Inc**  
11550 Newcastle Ave #250  
Baton Rouge LA 70816

Thursday, January 09, 1997


Ref Number TX9750

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #3, 5/89**

**Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT**

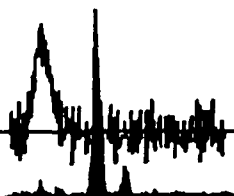
Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
217	SITE #399	1/6/97	980 00	2 5	100	0 0027	3 18	<LOD
218	SITE #399	1/6/97	980 00	1 0	100	0 0027	1 27	<LOD
219	BLANK	1/6/97	0 00	0 0	100		0	

BLANK ID 219

  
Steven Duhon  
Analyst

  
Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 10 fibers/100 fields and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Houston



TX 9750

**Distribution** White Accompanies Shipment Pink to Coordinator Field Files  
Green to Report Yellow Returns with Warrant

6- 3142

**Ecology & Environment, Inc**  
11550 Newcastle Ave #250  
Baton Rouge LA 70816

Thursday, January 09, 1997

Ref Number TX9749

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #3, 5/89**

**Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT**

<i>Sample</i>	<i>Location</i>	<i>Sample Date</i>	<i>Volume (liters)</i>	<i>Fibers</i>	<i>Fields</i>	<i>L.O.D fib/cc</i>	<i>fibers/ mm<sup>2</sup></i>	<i>fibers/cc</i>
220	↘ SITE #274	1/7/97	864 00	1 0	100	0 0031	1 27	<LOD
221	↘ SITE #274	1/7/97	864 00	0 0	100	0 0031	0	<LOD
222	BLANK	1/7/97	0 00	0 0	100		0	

BLANK ID 222

*Steven Duhon*

Steven Duhon  
Analyst

*[Signature]*

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 10 fibers/100 fields and is volume dependent Samples below the LOD are non-quantifiable and therefore are non reliable The laboratory is only responsible for fibers counted in fibers/mm and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Houston

## OFFICIAL CHAIN OF CUSTODY RECORD

**REGION 6**  
1445 Floss Avenue, Suite 1200  
Dallas Texas 75202-2732

[illegible]

Distributors: White Accompanies Shipment Pink to Coordinator Field Files,  
Green to Report Yellow Returns with Warrant

6- 2281

01/07/97 17 18 E P A → 7136863645



Ecology & Environment, Inc  
11550 Newcastle Ave #250  
Baton Rouge LA 70816

Wednesday, January 15, 1997

Ref Number TX9797

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #3, 5/89

### Project WESTBANK ASBESTOS REMOVAL PROJECT

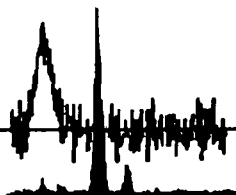
Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L.O.D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
223	SITE # 274	1/8/97	1152 00	10 0	100	0 0023	12 74	0 0043
224	SITE # 274	1/8/97	1152 00	4 0	100	0 0023	5 1	<LOD
225	BLANK	1/8/97	0 00	0 0	100		0	

BLANK ID 225

Steven Duhon  
Analyst

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 10 fibers/100 fields and is volume dependent Samples below the LOD are non-quantifiable and therefore are non-reliable The laboratory is only responsible for fibers counted in fibers/mm and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Houston



[illegible]

**Distribution** White Accompanies Shipment Pink to Coordinator Field Files  
Green to Report Yellow Returns with Warrant

6- 2286

**Ecology & Environment, Inc**  
 11550 Newcastle Ave #250  
 Baton Rouge LA 70816

Wednesday, January 15, 1997

Ref Number TX9796

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #3, 5/89

### Project WESTBANK ASBESTOS REMOVAL

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
226	SITE # 089	1/9/97	1152 00	37 5	100	0 0023	47 77	0 0160
227	SITE # 089	1/9/97	1152 00	24 5	100	0 0023	31 21	0 0104
228	BLANK	1/9/97	0 00	0 0	100		0	

BLANK ID 228

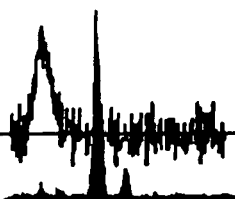
*Steven Duhon*

Steven Duhon  
Analyst

*[Signature]*

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 10 fibers/100 fields and is volume dependent Samples below  
 the LOD are non-quantifiable and therefore are non-reliable The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc  
 which is dependent on volume collected by non laboratory personnel  
 Analysis performed by EMSL of Houston





6- 2288

**Ecology & Environment, Inc**  
11550 Newcastle Ave #250  
Baton Rouge LA 70816

Thursday, January 16, 1997

Ref Number TX97116

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #3, 5/89

### Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
226	SITE 089	1/10/97	1152 00	11 5	100	0 0023	14 65	0 0049
227	SITE 268	1/10/97	1152 00	16 0	100	0 0023	20 38	0 0068
228	Blank	1/10/97	0 00	0 0	100		0	

BLANK ID 228

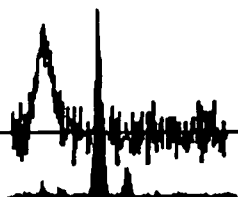


Steven Duhon  
Analyst



Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 10 fibers/100 fields and is volume dependent Samples below the LOD are non-quantifiable and therefore are non-reliable The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Houston



[illegible]

6- 2299

**Ecology & Environment, Inc**  
11550 Newcastle Ave #250  
Baton Rouge LA 70816

Thursday, January 16, 1997

Ref Number TX97115

# **PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #3, 5/89**

## **Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT**

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
226	SITE 623	1/11/97	1152 00	9 5	100	0 0023	12 1	0 0040
227	SITE 341	1/11/97	1152 00	8 0	100	0 0023	10 19	0 0034
228	BLANK	1/11/97	0 00	0 0	100		0	

BLANK ID 228

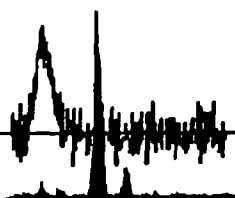


Steven Duhon  
Analyst



Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 10 fibers/100 fields and is volume dependent Samples below the LOD are non-quantifiable and therefore are non reliable The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Houston



TX 97115

[illegible]

Distribution White Accompanies Shipment Pink to Coordinator Field Files  
Green to Report Yellow Returns with Warrant

6- 2300

**EMSL**

**Ecology & Environment, Inc**  
11550 Newcastle Ave #250  
Baton Rouge LA 70816

**REC'D FEB 1 1 1997**

Tuesday, February 04, 1997

Ref Number TX97310

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #3, 5/89**

**Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT**

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
250	200	1/29/97	1392 00	1 5	100	0 0019	1 91	<LOD
251	585	1/29/97	1200 00	3 5	100	0 0022	4 46	<LOD
252	585	1/29/97	1248 00	2 0	100	0 0022	2 55	<LOD
253	BLANK	1/29/97	0 00	0 0	100		0	

*Steven Duhon*  
Steven Duhon  
Analyst

*[Signature]*  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 10 fibers/100 fields and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Houston

**Distribution** White Accompanies Shipment Pink to Coordinator Field Files  
Green to Report Yellow Returns with Warrant

6- 2287

**Ecology & Environment, Inc**  
11550 Newcastle Ave #250  
Baton Rouge LA 70816

Thursday, February 20, 1997

Ref Number TX97473

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #3, 5/89**

**Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT**

<i>Sample</i>	<i>Location</i>	<i>Sample Date</i>	<i>Volume (liters)</i>	<i>Fibers</i>	<i>Fields</i>	<i>L O D fib/cc</i>	<i>fibers/ mm<sup>2</sup></i>	<i>fibers/cc</i>
254	SITE 545	2/12/97	1296 00	0 0	100	0 0021	0	<LOD
255	SITE 545	2/12/97	1104 00	1 0	100	0 0024	1 27	<LOD
256	SITE 967	2/12/97	1104 00	1 5	100	0 0024	1 91	<LOD
257	BLANK	2/12/97	0 00	0 0	100		0	

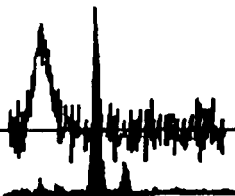
*Steven Duhon*

Steven Duhon  
Analyst

*[Signature]*

Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 10 fibers/100 fields and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Houston







## CHAIN OF CUSTODY RECORD

TX 97473

Project No 768209		Project Name WestBank Asbestos Removal Project		Project Manager Tom Matheson										
Samplers (Signatures) 				Field Team Leader										
STATION NUMBER	DATE	TIME	SAMPLE TYPE			SAMPLE INFORMATION	STATION LOCATION	NUMBER OF CONTAINERS	<div style="text-align: center;">Wash Tank Flow Rate Volume</div>					
			COMP	GRAB	AIR									
254	2-12-97	0800 1600		✓			Site # 545	1	✓	2.7 gpm	1296			JUAN C
255	2-12-97	0800 1600		✓			Site # 545	1	✓	2.3 gpm	1104			TOMX
256	2-12-97	0800 1600		✓			Site # 967	1	✓	2.3 gpm	1104			RAMON
257	2-12-97			✓		BLANK		1	✓					BLA
Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	Ship Via								
	2-17-97 / 12:16			2-17-97 1310		BL/Airbill N								
Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)									
Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)	Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)									

Distribution Original Accompanies Shipment Copy to Coordinator Field Files

\*See CONCENTRATION RANGE on back of form

WB-00127

**Ecology & Environment, Inc**  
11550 Newcastle Ave #250  
Baton Rouge LA 70816

**REC'D MAR 07 1997**

Monday, March 03, 1997

Ref Number TX97640

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #3, 5/89**

**Project 768209 WESTBANK ASBESTOS**

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
258	SITE 591	2/26/97	969 00	8 5	100	0 0028	10 83	0 0043
259	SITE 90	2/26/97	1176 00	3 5	100	0 0023	4 46	<LOD
260	SITE 108	2/26/97	1334 00	1 0	100	0 0020	1 27	<LOD
261	SITE 122	2/26/97	1200 00	2 5	100	0 0022	3 18	<LOD
262	BLANK	2/26/97	0 00	0 0	100		0	

BLANK ID 262

*Steven Duhon*

Steven Duhon  
Analyst

*[Signature]*

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 10 fibers/100 fields and is volume dependent Samples below the LOD are non quantifiable and therefore are non reliable The laboratory is only responsible for fibers counted in fibers/mm and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Houston

[illegible]



Attn Barbara Storey  
**Ecology & Environment, Inc**  
 11550 Newcastle Ave #250  
 Baton Rouge LA 70816

Friday, May 02, 1997

Ref Number TX971483

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

### Project WESTBANK ASBESTOS REMOVAL PROJECT

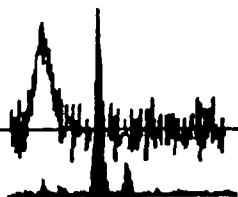
<i>Sample</i>	<i>Location</i>	<i>Sample Date</i>	<i>Volume (liters)</i>	<i>Fibers</i>	<i>Fields</i>	<i>L O D fib/cc</i>	<i>fibers/ mm<sup>2</sup></i>	<i>fibers/cc</i>
600	747/755 Mario Diaz	4/23/97	1200 00	12 5	100	0 0022	15 92	0 0051
601	829 Leonardo Avila	4/23/97	1152 00	9 0	100	0 0023	11 46	0 0038
602	178 Omar Flores	4/23/97	1536 00	2 5	100	0 0018	3 18	<LOD
603	693 Pedro Saucedo	4/23/97	1368 00	3 0	100	0 0020	3 82	<LOD
604	172/750 Ramon Ruiz	4/23/97	1296 00	5 0	100	0 0021	6 37	<LOD
605		4/23/97	0 00	0 0	100		0	

BLANK ID 605

Steven Duhon  
 Analyst

  
 Approved  
 Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
 Analysis performed by EMSL of Houston (NVLAP Air and Bulk #102106)



[illegible]

**Ecology & Environment, Inc**  
11550 Newcastle Ave #250  
Baton Rouge LA 70816

Wednesday, May 14, 1997

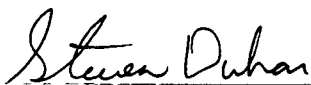
Ref Number TX971754

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #3, 5/89

### Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
605	547/323	5/7/97	1205 00	2 5	100	0 0022	3 18	<LOD
606	892/824	5/7/97	989 00	3 0	100	0 0027	3 82	<LOD
607	334/337	5/7/97	1157 00	2 0	100	0 0023	2 55	<LOD
608	433/429	5/7/97	1517 00	4 0	100	0 0018	5 1	<LOD
609	439/436	5/7/97	837 00	2 5	100	0 0032	3 18	<LOD
610	845/177	5/7/97	1277 00	1 5	100	0 0021	1 91	<LOD

BLANK ID 611

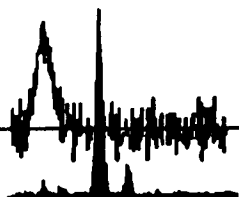


Steven Duhon  
Analyst



Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 10 fibers/100 fields and is volume dependent Samples below the LOD are non-quantifiable and therefore are non-reliable The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Houston



# PCM Fiber Count - NIOSH Method 7400, Revision #3, 5/89

Client Ecology & Environment, Inc

Logged 5/13/97

TAT 24 Hour

Address 11550 Newcastle Ave #250  
Baton Rouge LA 70816

Date/Time Due 5/14/97 9 00 AM

Special Handling

Billing Number

TX971754

Phone (504) 363 2980

Fax (504) 363 4732

Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT

Sample ID	Location	Sample Date	# Fibers	# Fields	Volume (L)	Fibers/mm <sup>2</sup> = E	Fibers/CC = C	Overloaded
605	547 323	5/7/97	25	100	1205			
* 606	892/824	5/7/97	3	100	989			
607	334/337	5/7/97	2	100	1157			
608	433/429	5/7/97	4	100	1517			
609	439/436	5/7/97	25	100	837			
610	845/177	5/7/97	15	100	1277			
611	BLANK	5/7/97	0	100	0			

Lab Number	Sample ID	# Fibers	# Fields	(SR)	Fibers/mm <sup>2</sup>	Analyst
QC						
QC						

QC Checks

Scope

Analyst

Steven Dubon  
514-47

Computer

## OFFICIAL CHAIN OF CUSTODY RECORD

**Distribution** White Accompanies Shipment Pink to Coordinator Field Files  
Green to Report Yellow Returns with Warrant



**Ecology & Environment, Inc**  
11550 Newcastle Ave #250  
Baton Rouge LA 70816

Tuesday, June 10, 1997

Ref Number TX972216

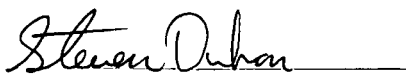
REC'D JUN 16 1997

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #3, 5/89**

**Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT**

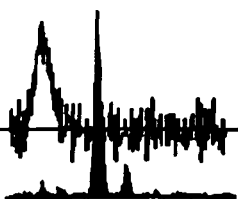
Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
700	SITES 451/1083	5/21/97	1069 00	3 5	100	0 0025	4 46	<LOD
701	SITES 434/479	5/21/97	1631 00	5 0	100	0 0017	6 37	<LOD
702	SITES 913/470	5/21/97	1279 00	2 0	100	0 0021	2 55	<LOD
703	SITES 315-468	5/21/97	1360 00	2 5	100	0 0020	3 18	<LOD
704	BLANK	5/21/97	0 00	0 0	100		0	

BLANK ID 704

  
Steven Duhon  
Analyst

  
Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 10 fibers/100 fields and is volume dependent Samples below the LOD are non-quantifiable and therefore are non reliable The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Houston



## OFFICIAL CHAIN OF CUSTODY RECORD

TX972216

EPA 7500-53  
(11/96)

6- 08820

Attn Barbara Storey  
Ecology & Environment, Inc  
11550 Newcastle Ave #250  
Baton Rouge, LA 70816

Tuesday, June 24, 1997

Ref Number TX972509

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #4, 8/94**

REC'D JUN 30 1997

**Project WESTBANK ASBESTOS REMOVAL PROJECT / 768209**

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
485	SITE 485	6/4/97	1392 00	5 0	100	0 002	6 37	<LOD
486	SITE40	6/4/97	1125 00	3 0	100	0 002	3 82	<LOD
487	SITE 49	6/4/97	1200 00	1 5	100	0 002	1 91	<LOD
488	SITE 482	6/4/97	926 00	2 5	100	0 003	3 18	<LOD
489	SITE 636 / 495	6/4/97	1526 00	4 0	100	0 002	5 1	<LOD
490	BLANK	6/4/97	0 00	2 5	100		3 18	

BLANK ID 490

Priscilla Sutton

Analyst

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non reliable The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Houston (NVLAP Air and Bulk #102106)

## OFFICIAL CHAIN OF CUSTODY RECORD

EPA 7500-53  
(11/96)

# PCM Fiber Count - NIOSH Method 7400, Revision #3, 5/89

Client Ecology & Environment, Inc

Logged 6/23/97

TAT 24 Hour

Address 11550 Newcastle Ave #250  
Baton Rouge LA 70816

Date/Time Due 6/23/97 6 46 AM

Special Handling

Billing Number

Phone (504) 363 2980

Fax (504) 363 4732

TX972509

Project WESTBANK ASBESTOS REMOVAL PROJECT / 768209

Sample ID	Location	Sample Date	# Fibers	# Fields	Volume (L)	Fibers/mm <sup>2</sup> = E	Fibers/CC = C	Overloaded
485	SITE 485	6/4/97	5	100	0			
* 486	SITE40	6/4/97	3	100	0			
487	SITE 49	6/4/97	1 1/2	100	0			
488	SITE 482	6/4/97	2 1/2	100	0			
489	SITE 636 / 495	6/4/97	4	100	0			
490	BLANK	6/4/97	2 1/2	100	0			

Lab Number

Sample ID

# Fibers # Fields

52

Fibers/mm<sup>2</sup>

Analyst

QC

203496

486

3 100

QC

QC Checks

Scope

Analyst

Computer

953497

# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn: Lawrence Roedl  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Monday, July 07, 1997

Ref Number IN97409

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

### Project 768209 WESTBANK ASBESTOS

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L.O.D. fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
900	SITE #503	6/19/97	1320.00	4.5	100	0.0020	5.73	<LOD
901	SITE #490	6/19/97	969.00	0.5	100	0.0028	0.64	<LOD
902	SITE #290	6/19/97	1060.00	0.0	100	0.0025	0	<LOD
903	SITE #255	6/19/97	1103.00	0.0	100	0.0024	0	<LOD
904	SITE #248	6/19/97	1320.00	1.5	100	0.0020	1.91	<LOD
905	SITE #38	6/19/97	1363.00	0.5	100	0.0020	0.64	<LOD

BLANK ID 906

Margaret Phillips

Analyst

Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn: Lawrence Roedl  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Monday, July 07, 1997

Ref Number IN97409

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project 768209 WESTBANK ASBESTOS

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L.O.D. fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
906	BLANK	6/19/97	0.00	0.0	100		0	

BLANK ID 906

Marqaret Phillips *MEP*

Analyst

*Robert L. Roedl*

Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)

# OFFICIAL CHAIN OF CUSTODY RECORD

[illegible]



# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Donald DeLott  
Ecology & Environmental  
11550 New Castle Avenue  
Baton Rouge LA 70816

Friday, July 18, 1997

Ref Number IN97521

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

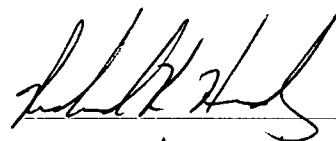
### Project 768209 WESTBANK ASBESTOS

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L.O.D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
907	SITE #427	7/2/97	1215 00	0 0	100	0 002	0	<LOD
908	221/809	7/2/97	951 00	0 0	100	0 003	0	<LOD
909	697	7/2/97	1035 00	0 0	100	0 003	0	<LOD
910	555	7/2/97	1086 00	0 0	100	0 003	0	<LOD
911	540	7/2/97	1025 00	0 0	100	0 003	0	<LOD
912	219	7/2/97	1318 00	0 0	100	0 002	0	<LOD

BLANK ID 913

Jane Wasilewski

Analyst



Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent Samples below the LOD are non-quantifiable and therefore are non reliable The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

Attn Donald DeLott  
Ecology & Environmental  
11550 New Castle Avenue  
Baton Rouge LA 70816

Friday, July 18, 1997

Ref Number IN97521

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #4, 8/94****Project 768209 WESTBANK ASBESTOS**

<i>Sample</i>	<i>Location</i>	<i>Sample Date</i>	<i>Volume (liters)</i>	<i>Fibers</i>	<i>Fields</i>	<i>L O D fib/cc</i>	<i>fibers/ mm<sup>2</sup></i>	<i>fibers/cc</i>
913	BLANK	7/2/97	0.00	0.0	100		0	

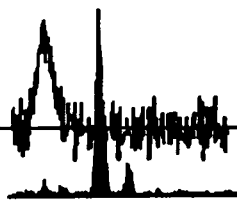
BLANK ID 913

Jane Wasilewski

Analyst

Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)



# PCM Fiber Count - NIOSH Method 7400, Revision #4, 8/94

Client Ecology & Environmental

Logged 7/17/97

TAT 1 Day

Address 11550 New Castle Avenue  
Baton Rouge LA 70816

Date/Time Due 7/18/97 9 30 AM

Special Handling

Billing Number

Phone (504) 291 - 4698

Fax (504) 363 4732

IN97521

Project 768209 WESTBANK ASBESTOS

Sample ID	Location	Sample Date	# Fibers	# Fields	Volume (L)	Fibers/mm <sup>2</sup> = E	Fibers/CC = C	Overloaded
907	SITE #427	7/2/97	0	100	1215			
908	221/809	7/2/97	0	100	951			
909	697	7/2/97	0	100	1035			
910	555	7/2/97	0	100	1086			
911	540	7/2/97	0	100	1025			
912	219	7/2/97	0	100	1318			
913	BLANK	7/2/97	0	100	0			

Lab Number	Sample ID	# Fibers	# Fields	Fibers/mm <sup>2</sup>	Analyst
QC					
QC					

QC Checks

Scope

Analyst

Computer

[illegible]

6- 08825

# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894



Attn Donald/Jeffrey  
Ecology & Environmental  
11550 New Castle Avenue  
Baton Rouge LA 70816

Wednesday, August 27, 1997

Ref Number IN97906

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project 020601 RAGI WESTBANK ASBESTOS

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
900	SITE #1057	8/8/97	1076 00	0 0	100	0 003	0	<LOD
901	SITE #906	8/8/97	546 00	3 0	100	0 005	3 82	<LOD
902	SITE #357	8/8/97	542 00	0 0	100	0 005	0	<LOD
903	SITE #54	8/8/97	1095 00	0 0	100	0 003	0	<LOD
904	SITE #184/186	8/8/97	1184 00	0 0	100	0 002	0	<LOD
905	SITE #994	8/8/97	889 00	1 0	100	0 003	1 27	<LOD

Jane Wasilewski

Analyst

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Donald/Jeffrey  
Ecology & Environmental  
11550 New Castle Avenue  
Baton Rouge LA 70816

Wednesday, August 27, 1997

Ref Number IN97906

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project 020601 RAGI WESTBANK ASBESTOS

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
906	SITE #671	8/8/97	544 00	Filter Was Blown				
910	BLANK	8/8/97	0 00	0 0	100		0	

Jane Wasilewski

Analyst

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent Samples below the LOD are non-quantifiable and therefore are non reliable The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

# PCM Fiber Count - NIOSH Method 7400, Revision #4, 8/94

Client Ecology & Environmental

Logged 8/26/97

TAT 1 Day

Address 11550 New Castle Avenue  
Baton Rouge LA 70816

Date/Time Due 8/27/97 9 00 AM

Phone (504) 291 - 4698

Fax (504) 363 - 4732

Special Handling

Billing Number

IN97906

Project 020601 RAGI WESTBANK ASBESTOS

Sample ID	Location	Sample Date	# Fibers	# Fields	Volume (L)	Fibers/mm <sup>2</sup> = E	Fibers/CC = C	Overloaded
900	SITE #1057	8/8/97	0	100	1076			
901	SITE #906	8/8/97	3	100	546			
902	SITE #357	8/8/97	0	100	542			
903	SITE #54	8/8/97	0	100	1095			
904	SITE #184/186	8/8/97	0	100	1184			
905	SITE #994	8/8/97	1	100	889			
906	SITE #671	8/8/97	VOID Filter Blower		544			
910	BLANK	8/8/97	0	100	0			

Lab Number	Sample ID	# Fibers	# Fields	Fibers/mm <sup>2</sup>	Analyst
QC					
QC					

QC Checks

Scope

Analyst

Computer

## OFFICIAL CHAIN OF CUSTODY RECORD

[illegible]



Attn Christopher Sansone  
Ecology & Environmental  
11550 New Castle Avenue  
Baton Rouge LA 70816

Wednesday, September 17, 1997

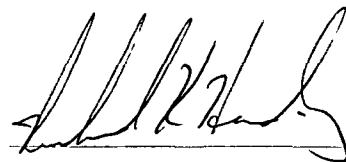
Ref Number IN971100

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #4, 8/94****Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT**

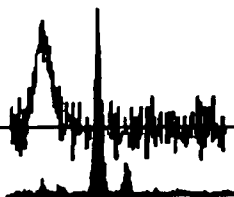
<i>Sample</i>	<i>Location</i>	<i>Sample Date</i>	<i>Volume (liters)</i>	<i>Fibers</i>	<i>Fields</i>	<i>L O D fib/cc</i>	<i>fibers/ mm<sup>2</sup></i>	<i>fibers/cc</i>
900	SITE 1231	9/12/97	1191 80	3 0	100	0 002	3 82	<LOD
901	SITE 910	9/12/97	1228 50	0 0	100	0 002	0	<LOD
902	SITE 1110	9/12/97	1161 50	6 0	100	0 002	7 64	0 003
903	SITE 1273	9/12/97	1047 00	0 0	100	0 003	0	<LOD
906	BLANK	9/12/97	0 00	0 0	100		0	

Margaret Phillips 

Analyst

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent Samples below the LOD are non-quantifiable and therefore are non reliable The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188 0)



# PCM Fiber Count - NIOSH Method 7400, Revision #4, 8/94

Client Ecology & Environmental  
Address 11550 New Castle Avenue  
Baton Rouge LA 70816

Logged 9/16/97  
Date/Time Due 9/17/97 10 05 AM

TAT 1 Day

Phone (504) 291 4698  
Fax (504) 363 - 4732

Special Handling

Billing Number

IN971100

Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT

Sample ID	Location	Sample Date	# Fibers	# Fields	Volume (L)	Fibers/mm <sup>2</sup> = E	Fibers/CC = C	Overloaded
900	SITE 1231	9/12/97	3	100	1191 8			
901	SITE 910	9/12/97	0	100	1228 5			
902	SITE 1110	9/12/97	6	100	1161 5			
903	SITE 1273	9/12/97	0	100	1047			
906	BLANK	9/12/97	0	100	0			

Lab Number	Sample ID	# Fibers	# Fields	Fibers/mm <sup>2</sup>	Analyst
QC					
QC					

QC Checks \_\_\_\_\_

Scope \_\_\_\_\_

Analyst Margaret S. Phillips

Computer \_\_\_\_\_

[illegible]

*Received  
M. Hanson  
9/29/97*  
**EMSL Analytical, Inc.**

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894

**EMSL**

Attn Christopher Sansone  
**Ecology & Environmental**  
11550 New Castle Avenue  
Baton Rouge LA 70816

Thursday, September 18, 1997

Ref Number IN971118

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #4, 8/94**

**Project 020601 WESTBANK ASBESTOS**

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
907	SITE 1118	9/16/97	811 90	0 0	100	0 003	0	<LOD
908	SITE 1260	9/16/97	1147 00	0 5	100	0 002	0 64	<LOD
909	SITE 1385	9/16/97	1107 00	0 0	100	0 002	0	<LOD
910	SITE 1199	9/16/97	1022 00	0 0	100	0 003	0	<LOD
911	SITE 1234	9/16/97	1103 00	1 0	100	0 002	1 27	<LOD
912	SITE 1161	9/16/97	1127 00	1 0	100	0 002	1 27	<LOD

Jane Wasilewski *JW*

Analyst

*Michael H. Hardy*

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm2 and is volume dependent Samples below the LOD are non-quantifiable and therefore are non reliable The laboratory is only responsible for fibers counted in fibers/mm and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894



Attn Christopher Sansone  
Ecology & Environmental  
11550 New Castle Avenue  
Baton Rouge LA 70816

Thursday, September 18, 1997

Ref Number IN971118

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project 020601 WESTBANK ASBESTOS

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
913	BLANK	9/16/97	0.00	0.0	100		0	

Jane Wasilewski

Analyst

  
Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

# PCM Fiber Count - NIOSH Method 7400, Revision #4, 8/94

Client Ecology & Environmental

Logged 9/17/97

TAT 1 Day

Address 11550 New Castle Avenue  
Baton Rouge LA 70816

Date/Time Due 9/18/97 10 00 AM

Phone (504) 291 4698

Fax (504) 363 - 4833

Project 020601 WESTBANK ASBESTOS

Special Handling

Billing Number

IN971118

Sample ID	Location	Sample Date	# Fibers	# Fields	Volume (L)	Fibers/mm <sup>2</sup> = E	Fibers/CC = C	Overloaded
907	SITE 1118	9/16/97	0	100	811.9			
908	SITE 1260	9/16/97	.5	100	1147			
909	SITE 1385	9/16/97	0	100	1107			
910	SITE 1199	9/16/97	0	100	1022			
911	SITE 1234	9/16/97	1	100	1103			
912	SITE 1161	9/16/97	1	100	1127			
913	BLANK	9/16/97	0	100	0			

Lab Number	Sample ID	# Fibers	# Fields	Fibers/mm <sup>2</sup>	Analyst
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QC

QC

QC Checks

Scope

Analyst

Computer

## OFFICIAL CHAIN OF CUSTODY RECORD

[illegible]

# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894



Attn Chris Sasone  
Ecology & Environment  
11550 New Castle Avenue  
Baton Rouge LA 70816

Friday, October 24, 1997

Ref Number IN971449

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

### Project WESTBANK ASBESTOS

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1257	1420	10/16/97	1125 00	0 0	100	0 002	0	<LOD
1258	1420	10/16/97	1276 00	0 0	100	0 002	0	<LOD
1259	1171	10/16/97	1248 00	0 0	100	0 002	0	<LOD
1260	975	10/16/97	1198 00	0 0	100	0 002	0	<LOD
1261	1277/1448	10/16/97	1159 00	0 0	100	0 002	0	<LOD
1262	1277/1440	10/16/97	1142 00	0 0	100	0 002	0	<LOD

BLANK ID 1263

Jane Wasilewski

Analyst

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)



# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894



Attn Chris Sasone  
Ecology & Environment  
11550 New Castle Avenue  
Baton Rouge LA 70816

Friday, October 24, 1997

Ref Number IN971449

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project WESTBANK ASBESTOS

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1263	BLANK	10/16/97	0.00	0.0	100		0	

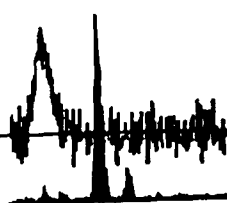
BLANK ID 1263

Jane Wasilewski *JW*

Analyst

*Robert L. Harding*  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)



## OFFICIAL CHAIN OF CUSTODY RECORD

[illegible]

1 tubation White Accompanies Shipment Pink to Coordinator Field Files

### THE VAGRANT

6- 08935

# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Alma Rillera  
Ecology & Environment  
11550 New Castle Avenue  
Baton Rouge LA 70816

Tuesday, November 25, 1997

Ref Number IN971727

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

### Project WESTBANK ASBESTOS

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1122	1592/1603	11/20/97	1029 00	1 5	100	0 003	1 91	<LOD
1123	1250	11/20/97	1090 00	3 0	100	0 003	3 82	<LOD
1124	1598	11/20/97	1235 00	2 5	100	0 002	3 18	<LOD
1125	BLANK	11/20/97	0 00	0 0	100	0 000		

Marqaret Phillips

Analyst

MEP

Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188 0)

[illegible]

# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894



Attn Donald DeLott  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Monday, February 02, 1998

Ref Number IN98284

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

### Project 768209 WESTBANK ASBESTOS REMOVAL PROJECT

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1207	Site 1647	1/28/98	1135 08	0 0	100	0 0024	0	<LOD
1208	Site 1585	1/28/98	1185 30	1 0	100	0 0023	1 27	<LOD
1209	Site 1764	1/28/98	1273 86	0 0	100	0 0021	0	<LOD
1210	Blank	1/28/98	0 00	0 0	100		0	

BLANK ID 1210

Jane Wasilewski

Analyst

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent Samples below the LOD are non-quantifiable and therefore are non-reliable The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

## OFFICIAL CHAIN OF CUSTODY RECORD

**Distribution** White Accompanies Shipment Pink to Coordinator Field Files  
Green to Report Yellow Returns with Warrant

# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Gregory Day  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Thursday, March 26, 1998

REC'D MAR 31 1998 Ref Number IN98846

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F68209 WESTBANL ASBESTOS REMOVAL

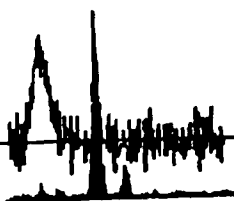
Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1805P504		3/18/98	620.00	60	100	0.0043	7.64	0.005

Jane Wasilewski 

Analyst

  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)







# EMSL Analytical, Inc.

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Phone (317) 570-5892 Fax (317) 570-5894



Attn Pat Mollere  
**Ecology & Environment**  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

REC'D MAR 31 1998

Wednesday, March 25, 1998

Ref Number IN98829

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F68209 - W A R P

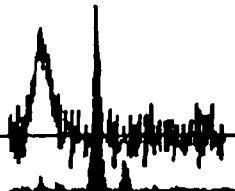
Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1705P505		3/21/98	780.00	20.5	100	0.0035	26.11	0.013

Jane Wasilewski *JK*

Analyst

*Robert L. Harding*  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)



**Distribution** White Accompanies Shipment Pink to Coordinator Field Files  
Green to Report Yellow Returns with Warrant

# EMSL Analytical, Inc.

6330 East 75th Street, Suite 152  
Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn: Michael DuCaye  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Friday, April 03, 1998

Ref Number IN98926

REC'D APR 08 1998

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F68209 W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1884P505		3/30/98	555.00	2.0	100	0.0049	2.55	<LOD

Jane Wasilewski

Analyst

Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

P 2 y 2

**Distribution** White Accompanies Shipment Pink to Coordinator Field Files  
Green to Report Yellow Returns with Warrant

**EMSL Analytical, Inc.**

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Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894



Attn Michael DuCaye  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Monday, April 06, 1998

Ref Number IN98958

REC'D APR 13 1998

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #4, 8/94**

**Project F68209 W A R P**

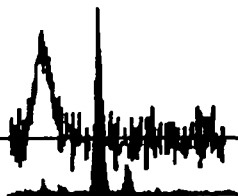
Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1866P506		4/2/98	512.00	0.5	100	0.0053	0.64	<LOD

Jane Wasilewski

Analyst

  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)



p242

100-53  
(11/96)

6- 10294

# EMSL Analytical, Inc.

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Phone (317) 570-5892 Fax (317) 570-5894



Attn: Mike DuCarpe  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Friday, March 13, 1998

Ref Number IN98701

REC'D MAR 16 1998

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project PROJ#768209 - WESTBANK ASBESTOS REMOVAL PROJECT

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
/1673 PS01		3/10/98	644 00	19 5	100	0 0042	24 84	0 015
1673 PS02		3/10/98	768 00	22 0	100	0 0035	28 03	0 014
1673 PS03	BLANK		0 00	0 0	100		0	

BLANK ID 1673 PS03

Jane Wasilewski

Analyst

  
Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

6- 1938



# EMSL Analytical, Inc.

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Attn: Michael DuCaye  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Wednesday, April 15, 1998

Ref Number IN981077

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F68209 W A R P

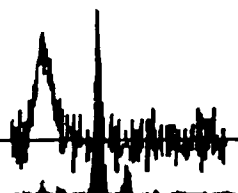
Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1696P507		4/8/98	457.00	0.0	100	0.0059	0	<LOD

Jane Wasilewski

Analyst

  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)



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# EMSL Analytical, Inc.

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Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894



Attn Michael DuCaye  
Ecology & Environment  
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Suite 250  
Baton Rouge LA 70816

Wednesday, April 15, 1998

Ref Number IN981079

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F68209 W A R P

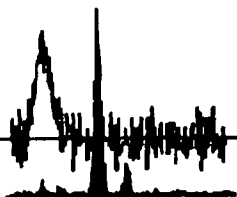
Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1748P508		4/9/98	581.00	10	100	0.0046	1.27	<LOD

Jane Wasilewski

Analyst

  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)



## OFFICIAL

[illegible]

**Distribution** White Accompanies Shipment Pink to Coordinator Field Files  
Green to Report Yellow Returns with Warrant

EPA 7500-53  
(11/96)

U-10296

# EMSL Analytical, Inc.

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Indianapolis, Indiana 46250  
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Attn: Michael DuCaye  
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11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Thursday, April 16, 1998

Ref Number IN981117

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F68209 W A R P

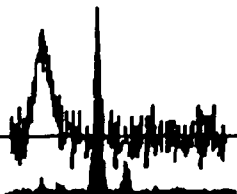
Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
✓ 1799P509		4/13/98	632.00	10	100	0.0043	1.27	<LOD

Jane Wasilewski

Analyst

  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)



[illegible]

# EMSL Analytical, Inc.

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Phone (317) 570-5892 Fax (317) 570-5894



Attn: Michael DuCaye  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Wednesday, April 22, 1998

REC'D APR 28 1998

Ref Number IN981196

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

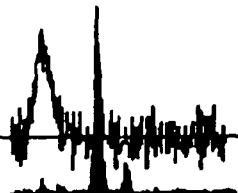
Project F68209 W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1847P510		4/17/98	637.00	15.0	100	0.0042	19.11	0.012

Jane Wasilewski  
Analyst

  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)



## ENVIRONMENTAL ACTION FUND

[illegible]



Attn Michael DuCaye  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Monday, April 27, 1998

Ref Number IN981241

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #4, 8/94****Project F68206 W A R P**

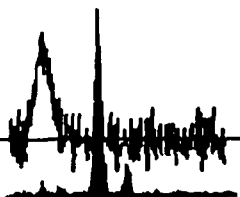
Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1948P511		4/21/98	438.00	20	100	0.0061	2.55	<LOD

Jane Wasilewski *JW*

Analyst

  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)



EPA 7500-53  
(11/96)

# EMSL Analytical, Inc.

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Attn Michael DuCaye  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

REC'D MAY 06 1998

Wednesday, April 29, 1998

Ref Number IN981269

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F6209 W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L.O.D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1938P512		4/24/98	867.00	20.0	100	0.0031	25.48	0.011

Jane Wasilewski *JW*  
Analyst

*Robert L. Harding*  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

## OFFICIAL CHAIN OF CUSTODY RECORD

[illegible]

# EMSL Analytical, Inc.

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Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894



Attn Michael DuCaye  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Tuesday, May 05, 1998

Ref Number IN981345

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F6209 W A R P

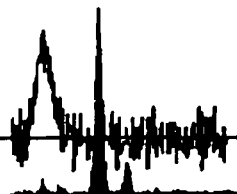
Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1844P513		4/30/98	322.00	95	100	0.0084	12.1	0.015

Marqaret Phillips

Analyst

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)



[illegible]

EPA 7500-53  
(11/96)

6- 10300

# EMSL Analytical, Inc.

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Indianapolis, IN 46250

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EMSL

Attn Michael DuCaye

Ecology & Environment

11550 New Castle Avenue

Suite 250

Baton Rouge, LA 70816

Monday, May 11, 1998

Ref Number IN981425

REC'D OCT 21 1998

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F6209 - W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1810P514		5/6/98	808 00	2 0	100	0 003	2 55	<LOD

Jane Wasilewski

Analyst

*Robert L. Harding*  
Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm and is volume dependent Samples below the LOD are non quantifiable and therefore are non reliable The laboratory is not responsible for fibers counted in fibers/mm or fibers/cc which are dependent on volume collected by non laboratory personnel This report must not be used to claim product endorsement by NVLAP or any agency of the U S Government This report relates only to the samples reported above

Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200188 0 )

[illegible]



# EMSL Analytical, Inc.

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Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn: Michael DuCaye  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Wednesday, May 13, 1998

Ref Number IN981471

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F6209 W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1874 P515		5/8/98	718.00	30	100	0.0038	3.82	<LOD

Jane Wasilewski

Analyst

Robert L. Banding  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

## OFFICIAL CHAIN OF CUSTODY RECORD

EPA 7500-53  
(11/96)

**EMSL Analytical, Inc.**

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**EMSL**

Attn: Michael DuCaye  
**Ecology & Environment**  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816


Tuesday, May 19, 1998

Ref Number IN981546

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #4, 8/94**

**Project F6209 W A R P**

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1177P516		5/13/98	446.00	30	100	0.0060	3.82	<LOD

Jane Wasilewski 

Analyst

  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

PROJ NO		PROJECT NAME		NO OF CON TAINERS		FLOW RATE VOLUME PCM		REMARKS			
SAMPLERS (Signature)											
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION						
1177 PSIG	5/13/98			✓	#1177		203	446	✓	GUILLERMO RUIZ	
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)	
M. DuCane		05/14/98 0700		D. Stott 5/18/98 8:30a							
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)	
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks			
Shipped by				Airbill Number							
Distribution White Accompanies Shipment Pink to Coordinator Field Files											

# EMSL Analytical, Inc.

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EMSL

Attn Michael DuCaye  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Wednesday May 20, 1998

Ref Number IN981591

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

### Project F68209 W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1988P517		5/15/98	752.00	30	100	0.0036	3.82	<LOD

Jane Wasilewski

Analyst

*Robert L. Harding*  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)

## CHAIN OF CUSTODY RECORD

[illegible]

Attn Michael DuCaye  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Tuesday, May 26, 1998

Ref Number IN981633

**PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY  
NIOSH 7400 METHOD, REVISION #4, 8/94****Project F68209 W A R P**

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1923P518		5/20/98	1005 00	20 0	100	0 0027	25 48	0 010

Jane Wasilewski

Analyst

  
Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

# PCM Fiber Count - NIOSH Method 7400, Revision #4, 8/94

**Client** Ecology & Environment **Logged** 5/22/98 **TAT** 1 Day  
**Address** 11550 New Castle Avenue **Date/Time Due** 5/26/98 10 00 AM  
 Suite 250  
 Baton Rouge LA 70816 **Special Handling**  
**Phone** (504) 291 4698 **Billing Number**  
**Fax** (504) 363 - 4732 IN981633  
**Project** F68209 W A R P

Sample ID	Location	Sample Date	# Fibers	# Fields	Volume (L)	Fibers/mm <sup>2</sup> = E	Fibers/CC = C	Overloaded
1923P518		5/20/98	20	100	1005			

Lab Number	Sample ID	# Fibers	# Fields	Fibers/mm <sup>2</sup>	Analyst
QC					
QC					

QC Checks

Analyst

Scope

Computer



p. 206 2

EPA 7500-53  
(11/96)

6- 10271

# EMSL Analytical, Inc.

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EMSL

Attn: Michael DuCaye  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Thursday, May 28, 1998

Ref Number IN981685

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

REC'D JUN 01 1998

Project F68209 W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1872P519		5/23/98	970.00	7.0	100	0.0028	8.92	0.004

Jane Wasilewski

Analyst

  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non-laboratory personnel.  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)

## ENVIRONMENTAL PROTECTION AGENCY

[illegible]

**Distribution** White Accompanies Shipment Pink to Coordinator Field Files  
Green to Report Yellow Returns with Warrant

# EMSL Analytical, Inc.

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Indianapolis, Indiana 46250  
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Gregory Day  
Ecology & Environment  
11550 New Castle Avenue  
Suite 250  
Baton Rouge LA 70816

Monday, June 01, 1998

Ref Number IN981713

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F68209 W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1927P520		5/26/98	830 00	2 0	100	0 0032	2 55	<LOD

Jane Wasilewski

Analyst

Approved  
Signatory

LOD = Limit of Detection The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent Samples below the LOD are non quantifiable and therefore are non reliable The laboratory is only responsible for fibers counted in fibers/mm<sup>2</sup> and not in fibers/cc which is dependent on volume collected by non laboratory personnel  
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

[illegible]

6- 10273

# EMSL Analytical, Inc.

6330 E 75th St, Suite 152

Indianapolis, IN 46250

Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Jody Shires

**Ecology & Environment**

11550 New Castle Avenue

Suite 250

Baton Rouge, LA 70816

Friday, June 05, 1998

Ref Number IN981799

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F68209 - W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
627P521		6/2/98	914.00	20	100	0.003	2.55	<LOD

Jane Wasilewski

Analyst

Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non quantifiable and therefore are non reliable. The laboratory is not responsible for fibers counted in fibers/mm<sup>2</sup> or fibers/cc which are dependent on volume collected by non laboratory personnel. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above.

Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200188.0)

## OFFICIAL CHAIN OF CUSTODY RECORD

[illegible]

**Distribution** White Accompanies Shipment Pink to Coordinator Field Files  
Green to Report Yellow Returns with Warrant

# EMSL Analytical, Inc.

6330 E 75th St, Suite 152

Indianapolis, IN 46250

Phone (317) 570-5892 Fax (317) 570-5892

**EMSL**

Attn Michael DuCaye

**Ecology & Environment**

11550 New Castle Avenue

Suite 250

Baton Rouge, LA 70816

Wednesday, June 10, 1998

Ref Number IN981874

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project F68209 W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	L O D fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1848P522		6/6/98	692.00	0.0	100	0.004	0	<LOD

Jane Wasilewski

Analyst

Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non quantifiable and therefore are non reliable. The laboratory is not responsible for fibers counted in fibers/mm<sup>2</sup> or fibers/cc which are dependent on volume collected by non laboratory personnel. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above.

Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200188.0)



OPTIONAL  
CAPTION OF CUSTODY RECORD

110981874

PROJ NO 768209		PROJECT NAME WARP			REMARKS	
SAMPLERS (Signature) <i>M. Delaney</i>						
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION	<div style="transform: rotate(-45deg); position: absolute; top: 10%; left: 10%;">             FLOW RATE VOLUME REM           </div>
1848 P522	6/6/98			✓	#1848	
Relinquished by (Signature) <i>M. Delaney</i>		Date / Time 06/08/98 0700		Received by (Signature) <i>[Signature]</i> 6/9/98 9:30		
Relinquished by (Signature)		Date / Time		Received by (Signature)		
Relinquished by (Signature)		Date / Time		Received by (Signature)		
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		
Shipped by		Airbill Number		Remarks		

Distribution White Accompanies Shipment Pink to Coordinator for  
Green to Report Yellow Returns with Warrant

# EMSL Analytical, Inc.

6330 E 75th St, Suite 152

Indianapolis, IN 46250

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**EMSL**

Attn Michael DuCaye

**Ecology & Environment**

11550 New Castle Avenue

Suite 250

Baton Rouge, LA 70816

Thursday, July 09, 1998

Ref Number IN982271

REC'D JUL 17 1998

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project f68209 W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1859P523		7/2/98	1076.00	0.0	100	0.003	0	<LOD

Jane Wasilewski

Analyst

*Robert L. Harding*  
Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm and is volume dependent. Samples below the LOD are non quantifiable and therefore are non reliable. The laboratory is not responsible for fibers counted in fibers/mm or fibers/cc which are dependent on volume collected by non laboratory personnel. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above.

Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200188-0)

## OFFICIAL CHAIN OF CUSTODY RECORD

[illegible]

# EMSL Analytical, Inc.

2501 Central Pkwy, C-13

Houston, TX 77092

Phone (713) 686-3635 Fax (713) 686-3645

**EMSL**

Attn M Ducarpe

Ecology & Environment, Inc

11550 Newcastle Ave #250

Baton Rouge LA 70816

REC'D AUG 03 1998

Monday, July 27, 1998

Ref Number TX983523

## PHASE CONTRAST MICROSCOPY (PCM) FIBER COUNT BY NIOSH 7400 METHOD, REVISION #4, 8/94

Project 768209-W A R P

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD fib/cc	fibers/ mm <sup>2</sup>	fibers/cc
1709P524	1709	7/17/98	1003.00	11.5	100	0.003	14.65	0.006

Steven Duhon

Analyst

Approved  
Signatory

LOD = Limit of Detection. The method assumes the lowest detection concentration is 7 fibers/mm<sup>2</sup> and is volume dependent. Samples below the LOD are non-quantifiable and therefore are non-reliable. The laboratory is not responsible for fibers counted in fibers/mm<sup>2</sup> or fibers/cc which are dependent on volume collected by non-laboratory personnel. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above.

Analysis performed by EMSL Houston (NVLAP Air and Bulk #102106 Texas Dept. of Health #30-0159)

[illegible]